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Substitute for fo	orm 1449A/PTO			Con	nplete if Kno	own
			_	Application Number	10/534,24	2
	ATION DISC			Filing Date	May 9, 20	05
STATEM	ENT BY AP	PLICAN	1	First Named Inventor	Richard Joseph Fagan	
(use as many sheel	's as necess	ary)	Art Unit	1645	1644
				Examiner Name		Sharon Wen
Sheet	1	of	3	Attorney Docket Number	C&R-101	

			U.S. PATENT DO	OCUMENTS	
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS									
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Examiner Initials*	Cite No.	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	7⁴			
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		_		Complete if Known			
	te for form 1449B/PT	-	OCUDE	Application Number	10/534,242		
	RMATION [Filing Date	May 9, 2005		
STATEMENT BY APPLICANT				First Named Inventor	Richard Jos	seph Fagan	
(use as many sheets as necessary)				Group Art Unit	-1645-	1644	
(use as many sneets as necessary)			Examiner Name		Sharon	Wen	
Sheet	2	of	3	Attorney Docket Number	C&R-101		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
/S.W./	R1	NIELSEN, K. et al. "Amino acid sequence of hen ovomacroglobulin (ovostatin) deduced from cloned cDNA" J. DNA Sequencing and Mapping, 1994, 5(2):111-119.	
	R2	NAGASE, H. et al. "Ovostatin a novel proteinase inhibitor from chicken egg white 1. Purification physicochemical properties and tissue distribution of ovostatin" J. Biol. Chem., 1983, 258(12):7481-7489.	
	R3	QAZI, U. et al. "On the structural changes of native human alpha2-macroglobulin upon proteinase entrapment: Three-dimensional structure of the half-transformed molecule" J. Biol. Chem., 1998, 273(15):8987-8993.	
	RAMOS, A. M. et al. "Trypanosoma cruzi. Cruzipaln and Membrane-Bound Cysteine Proteinase Isofo	RAMOS, A. M. et al. "Trypanosoma cruzi. Cruzipain and Membrane-Bound Cysteine Proteinase Isoform(s) Interacts with Human α₂-macroglobulin and Pregnancy Zone Protein", Experimental Parasitology, 2002, pp. 121-130, Vol. 100.	
	R5	LIN, M. et al. "Cell Surface Antigen CD109 is a Novel Member of the α₂ Macroglobulin/C3, C4, C5 Family of Thioester-containing Proteins", <i>Blood</i> , March 1, 2002, pp. 1683-1691, Vol. 99, No. 5.	
	R6	SHERMAN, S. K. et al. "Role of the Complement System in Ischaemic Heart Disease", BioDrugs, 2001, pp. 595-607, Vol. 15, No. 9.	
	R7	ASAMI, T. <i>et al.</i> "Study on Proteinase-Inhibiting Capacity of Plasma α₂-Macroglobulin in Idiopathic Nephrotic Syndrome", <i>Nephron</i> , 1996, pp. 512-517, Vol. 72.	
	R8	PETERSON, C. M. "a ₂ -Macroglobulin and Pregnancy Zone Protein", <i>Danish Medical Bulletin</i> , September 1993, pp. 409-446, Vol. 40, No. 4.	
	R9	HONG, T. et al. "A Study on the Serum Pregnancy Zone Protein Levels in Pregnant Women and Patients with Gynecological Tumors", Chinese Medical Journal, 1994, pp. 910-914, Vol. 107, No. 12.	
	R10	ZAPPIA, M. et al. "Genetic Association of a ₂ -Macroglobulin Polymorphisms with AD in Southern Italy", Neurology, September 2002, pp. 756-758, Vol. 59.	
	R11	GENNARO, R. et al. "C5a Fragment of Bovine Complement", Eur. J. Biochem., 1986, pp. 77-86, Vol. 155.	
	R12	FRITZINGER, D. C. et al. "Primary Structure of Cobra Complement Component C3", The Journal of Immunology, December 1, 1992, pp. 3554-3562, Vol. 149, No. 11.	
$\overline{\mathbf{V}}$	R13	SANDOVAL, A. et al. "Distal Recognition Site for Classical Pathway Convertase Located in the C345C/Netrin Module of Complement Component C5", The Journal of Immunology, 2000, pp. 1086-1073, Vol. 165.	

Examiner	/Sharon Wen/	Date	08/27/2007
Signature	/Onaion Wen/	Considered	

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		RMATION			Filing Date	May 9, 200	05
	STAT	EMENT BY	Y APF	PLICANT	First Named Inventor	Richard Jo	seph Fagan
	(to oo no		Group Art Unit	T645	1644
(use as many sheets as necessary)				(assary)	Examiner Name		Sharon Wen
$\overline{}$	Sheet	3	of	3	Attorney Docket Number	C&R-101	

		NON PATENT LITERATURE DOCUMENTS	
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/S.W./	R14	NIELSEN, K. L. et al. "Identification of Residues in α-Macroglobulins Important for Binding to the α ₂ -Macroglobulin Receptor/Low Density Lipoprotein Receptor-related Protein", <i>The Journal of Biological Chemistry</i> , May 31, 1996, pp. 12909-12912, Vol. 271, No. 22.	
	R15	BHATIA, M. et al. "Complement Factor C5a Exerts an Anti-Inflammatory Effect in Acute Pancreatitis and Associated Lung Injury", Am. J. Physiol. Gastrointest. Liver Physiol., 2001, pp. G974-G978, Vol. 280.	
	R16	SOTTRUP-JENSEN, L. "a-Macroglobulins: Structure, Shape, and Mechanism of Proteinase Complex Formation", <i>The Journal of Biological Chemistry</i> , July 15, 1989, pp. 11539-11542, Vol. 264, No. 20.	
	R17	NICOLETTI, G. et al. "No Evidence of Association Between the Alpha-2 Macroglobulin Gene and Parkinson's Disease in a Case-Control Sample", Neuroscience Letters, 2002, pp. 65-67, Vol. 328.	
	R18	O'BARR, S. et al. "The C5a Complement Activation Peptide Increase IL-Iβ and IL-6 Release from Amyloid-β Primed Human Monocytes: Implications for Alzheimer's Disease", Journal of Neuroimmunology, 2000, pp. 87-94, Vol. 109.	
	R19	CISLO, M. et al. "Allelic Distribution of Complement Components BF, C4A, C4B, and C3 in Psoriasis vulgaris", Immunology Letters, 2002, pp. 145-149, Vol. 80.	
	R20	TANG, G. et al. "Alpha-2 Macroglobulin I1000V Polymorphism in Chinese Sporadic Alzheimer's Disease and Parkinson's Disease", Neuroscience Letters, 2002, pp. 195-197, Vol. 328.	
	R21	KÖHL, J. "Anaphylatoxins and Infectious and Non-Infectious Inflammatory Diseases", <i>Molecular Immunology</i> ; 2001, pp. 175-187, Vol. 38.	
	R22	GHEBREMEDHIN, E. et al. "Genetic Association of Argyrophilic Grain Disease with Polymorphisms in Alpha-2 Macroglobulin and Low-Density Lipoprotein Receptor-Related Protein Genes", Neuropathology and Applied Neurobiology, 2002, pp. 308-313, Vol. 28.	
	R23	EGGERTSEN, G. et al. "Sequence of Rat α ₁ -Macroglobulin, a Broad-range Proteinase Inhibitor from the α-Macroglobulin-complement Family", <i>Mol. Biol. Med.</i> , 1991, pp. 287-302, Vol. 8.	
	R24	OGATA, R. T. et al. "Sequence of the Gene for Murine Complement Component C4", The Journal of Biological Chemistry, October 5, 1989, pp. 16565-16572, Vol. 264, No. 28.	
V	R25	NAGASE, H. et al. "Evidence for a Thiol Ester in Duck Ovostatin (Ovomacroglobulin)", The Journal of Biological Chemistry, January 25, 1986, pp. 1421-1426, Vol. 261, No. 3.	
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